



**PRAHLADRAI DALMIA LIONS COLLEGE
OF COMMERCE & ECONOMICS
ISO 9001 : 2015 Certified**

Semester V and VI

Date: 19-10-23

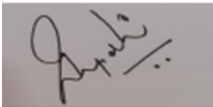

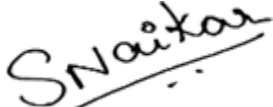

B.Sc. (Information Technology)

ATKT Internal Examination Semester V and VI Nov, 2023

INSTRUCTIONS FOR THE STUDENTS HAVING ATKT IN INTERNALS / PRACTICALS

1. Date of Submission of the Projects- 6th November, 2023.
2. Timings: 11:00 am, Reporting time for students: at least 10 minutes before the mentioned time. Venue: FT2 Classroom (Third floor).
3. Students have to be present in person for the submission.
4. Internal questions are also uploaded on the college website.
5. Submission of projects or assignments to be done on proper A4 size paper, handwritten by the candidate himself only. The Front page should contain details of Roll no, Name of the student, Semester, Subject.
6. Print out of the questions uploaded should be attached along with the project.
7. Student should also enclose a photocopy of the ATKT fee paid receipt along with each of his projects.
8. On the date of submission there will be a viva voce on the given questions.
9. If the student fails to present himself on the given date and time he will be marked ABSENT for the said subject.
10. Any Submissions after the above mentioned date and time will not be accepted and entertained under any circumstances.

NOTE - Students who has paid ATKT fees for internal component but has not been allotted questions is requested to contact Ms. Rupali Mishra on or before 21st October, 2023 by mailing on bscit@dalmialionscollege.ac.in

			
<u>Ms. Rupali Mishra</u>	<u>CA. Durgesh Kenkre</u>	<u>Ms. Subhashini Naikar</u>	<u>Prof. (Dr.) D. N. Ganjewar</u>
<u>(Coordinator)</u>	<u>Exam Convener</u>	<u>Vice- Principal, SFC</u>	<u>(Principal)</u>

DI/R-IPS/EXAM/00

Subject :SOFT QUALITY. ASSURANCE (Internal)

	SHAIKH SAHIL NAIM AHMED <ol style="list-style-type: none">1. Distinguish between Continual and Continuous Improvement2. Explain Black box testing and White box testing in details3. Write short note on Boundary Value Analysis4. Explain Decision Table testing with the help of an example.
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Subject :SECURITY IN COMPUTING (Internal)

	SINGH ABHINAV RANA PRATAP <ol style="list-style-type: none">1. Explain three D's of security.2. Explain the statement that "Achieving 100 percent protection against all conceivable attacks is an impossible job"3. Write a note on Threat Vector.4. What are Application layer attacks? Explain following Application layer attacks: i) Buffer overflows ii) Password cracking
	SHAIKH SAHIL NAIM AHMED <ol style="list-style-type: none">1. Explain certificate-based authentication in detail.2. Write a note on Role-based Authorization (RBAC).3. Write a note on symmetric key cryptography.4. Explain any two confidentiality risks.
	SINGH ABHISHEK KUMAR DHARMENDRA <ol style="list-style-type: none">1. Write a note on outbound filtering.2. Explain the role of hubs and switches in network.3. Explain in detail Network Address Translation (NAT).4. Explain strengths and weaknesses of a firewall.

Subject :BUSINESS INTELLIGENCE (Internal)

	BHAGAT RAVI VISHWAKARMA <ol style="list-style-type: none">1. Describe the architecture of business intelligence.2. Explain Data Information and Knowledge.3. Define the system. Explain how the system can be characterized.4. What is business intelligence? Why is an effective and timely decision important?
	SINGH ABHINAV RANA PRATAP <ol style="list-style-type: none">1. Explain the primary phases of model.2. What is predictive and optimization model?3. Explain some of the areas where data mining is used.4. Write short notes on analysis methodology of data mining.
	SHAIKH SAHIL NAIM AHMED <ol style="list-style-type: none">1. Attempt any three of the following: Explain Phases and Taxonomy of classification model.2. Write short notes on evaluation of classification model.3. Assume your own training dataset and predict the class label of an unknown sampling using Naïve Bayesian classification.4. Differentiate between following clustering methodologies: i) Partitioning method. ii) Hierarchical method.
	SINGH ABHISHEK KUMAR DHARMENDRA <ol style="list-style-type: none">1. What is marketing decision process? Explain relational marketing in details.2. Write short note on sales force management.3. Explain market basket analysis.4. List revenue management system. Explain any one in detail.

Subject :BUSINESS INTELLIGENCE (Practical)

	<p>PRIYANSH HARIPRATAP SINGH</p> <ol style="list-style-type: none"> 1. Perform the logistic regression on the given data warehouse data. 2. Perform the Linear regression on the given data warehouse data.
	<p>YADAV ANOOP JEETAN</p> <ol style="list-style-type: none"> 1. Perform the data clustering using a clustering algorithm. 2. Perform the data classification using classification algorithm

Subject :PRINCIPLES OF G.I.S (Practical)

	<p>PRIYANSH HARIPRATAP SINGH</p> <ol style="list-style-type: none"> 1. To create a map of your surrounding area using vector data model (points, lines and polygons)
	<p>YADAV ANOOP JEETAN</p> <ol style="list-style-type: none"> 1. To Perform Image Registration using Matlab